# Active Recombinant Human Interleukin 17A, HIgG1 Fc-tagged, mutant

**Cat. No.** IL17A-571H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | The extracellular domain of human IL-17 (AAH67505.1)(Ile20-Ala155) is fused to the N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO cell. |
| **Species** | Human |
| **Source** | CHO |
| **ProteinLength** | 20-155 a.a. |
| **Description** | The protein encoded by this gene is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis |
| **Form** | Lyophilized from 0.2μm-filtered solution in PBS. |
| **Bio-activity** | Measured by its ability to induce IL-6 secretion. |
| **Molecular Mass** | 42KDa (monomer) |
| **AA Sequence** | Ile20-Ala155 |

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| **Endotoxin** | <0.06 eu/μg="" as="" determined="" by="" lal=""> |
| **Purity** | >98%, by SDS-PAGE under reducing conditions. |
| **Stability** | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C. |
| **Reconstitution** | Reconstitute at 100μg/ml in sterile PBS. |
| **Warning** | Avoid freeze/thaw cycles. |

## GENE INFORMATION

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| **Gene Name** | IL17A interleukin 17A [ Homo sapiens ] |
| **Official Symbol** | IL17A |
| **Synonyms** | IL17A; interleukin 17A; CTLA8, IL17, interleukin 17 (cytotoxic T lymphocyte associated serine esterase 8); interleukin-17A; cytotoxic T lymphocyte associated protein 8; IL 17; IL 17A; CTLA-8; cytotoxic T-lymphocyte-associated antigen 8; cytotoxic T-lymphocyte-associated protein 8; cytotoxic T-lymphocyte-associated serine esterase 8; interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8); IL17; CTLA8; IL-17; IL-17A; |
| **Gene ID** | 3605 |
| **mRNA Refseq** | NM_002190 |
| **Protein Refseq** | NP_002181 |
| **MIM** | 603149 |

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| **UniProt ID** | Q16552 |
| **Chromosome Location** | 6p12 |
| **Pathway** | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL23-mediated signaling events, organism-specific biosystem; IL27-mediated signaling events, organism-specific biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem; |
| **Function** | cytokine activity; |

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